

Find the area of the triangle. Round the answers to two decimal places.

1. $B = 45^\circ$, $a = 3$, $c = 4$

2. $a = 6$, $b = 5$, $c = 8$

3. $a = 10$, $b = 8$, $c = 5$

Solve the triangle.

4. $a = 3$, $b = 4$, $C = 40^\circ$

5. $a = 5$, $b = 8$, $c = 9$

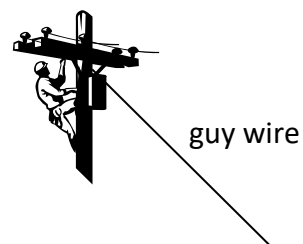
6. $c = 2$, $b = 5$, $C = 50^\circ$

7. $C = 95^\circ$, $B = 25^\circ$, $a = 10$

8. $A = 35^\circ$, $B = 70^\circ$, $c = 4$

9. $A = 60^\circ$, $c = 10$, $a = 9$

10. Find the length of a guy wire that makes an angle of $45^\circ 30'$ with the ground if the wire is attached to the top of a tower 63 m high.



11. An airplane is flying at an altitude of 10,500ft. The angle of depression from the plane to the base of a tree is 14° . How far must the plane fly horizontally to be directly over the tree?